

■ authors

- Adler, Alan, Simple Altazimuth Tripod Adapter, A, 4:121
- Aguirre, Edwin L., Amateurs Detect Effects on Earth, 5:32
- Comet Machholz's Fine Performance, 6:83
- Community News, 1:129, 2:118, 3:114, 4:114, 5:112, 6:110
- Flaming Runaway Star, A, 4:32
- news note, 3:24
- Allen, Randy, letter, 3:12
- A. M., see MacRobert, Alan M.
- Anderson, Peter, One of Those Nights, 5:142
- Asher, David J., see Bailey, Mark E.
- Bailey, Mark E., David J. Asher, and Apostolos A. Christou, Human Orrery, The: Putting the Solar System in Perspective, 5:107
- Baird-Chleborad, Dawn, Changing Point of View, A, 4:150
- Barbetti, Susan, letter, 4:12
- Barnes, Joshua E., letter, 3:12
- Basri, Gibor, Decade of Brown Dwarfs, A, 5:34
- Beatty, J. Kelly, hobby Q&A, 5:116
- news note, 1:20
- Bell, Jim, In Search of Martian Seas, 3:40
- Binnevis, Stefan, Dietmar Böcker, and Josef Pöpsel, Namibian Nights: The Adventure Continues, 4:110
- Birriel, Jennifer, book review, 2:110
- Böcker, Dietmar, see Binnevis, Stefan
- Bryant, Greg, Comet Lost and Found, 6:69
- Distant Night Sky, The, 2:63
- Exploring Lacaille's Deep Sky, 6:55
- Finding Machholz, 1:86
- First-Class Night, A, 4:63
- hobby Q&A, 3:124
- Modern Star Groups of the South, 5:55
- On First Sighting Dorado, 1:63
- Targeting Comet Tempel 1, 6:67
- Tour of Argo Navis, A, 3:55
- Bryant, Greg, and Alan M. MacRobert, Comet Machholz in the Evening Sky, 1:84
- Calia, Charles Laird, Astronomy of Robert Frost, The, 4:50
- Carroll, Sean, Dark Energy and the Preposterous Universe, 3:32
- Christou, Apostolos A., see Bailey, Mark E.
- Clark, Beth Ellen, and Kelli B. Grant, Japan's Asteroid Archaeologist, 6:34
- Cox, Richard D., letter, 6:12
- Craig, Donald I., Jr., letter, 6:13
- Crinklaw, Greg, Comet Chasing, 4:83
- Dalrymple, Les, Southern Binocular Highlight, 1:61, 2:61, 3:53, 4:61, 5:53, 6:53
- de Cells, John, letter, 5:12
- Deans, Paul, briefly noted, 1:121, 6:103
- di Cicco, Dennis, hobby Q&A, 2:132, 3:124
- Preview of Meade's RCX400, A, 5:86
- Remembering Tech Pan, 1977-2004, 2:150
- Dilworth, Donald C., letter, 1:13
- Dobbins, Thomas A., AVA's Atmospheric Dispersion Corrector, 6:88
- Life of the Great Melbourne Reflector, The, 2:50
- D. S., see Shiga, David
- D. T., see Tytell, David
- Duncan, Robert C., Anomalous X-ray Pulsars: Mystery Solved? 1:34
- Dunham, David W., Asteroid Occultations for March-July 2005, 3:70
- Lunar Occultation Highlights for 2005, 1:77
- Occultations by Asteroids, 2:78

- Dyer, Alan, Denkmeier Optical's Binocular Viewer, 3:88
- Eisenhardt, Peter, letter, 1:12
- Falconer, Thomas H., letter, 4:12
- Fienberg, Richard Tresch, book review, 4:105
- Evolution: We Can't Sit Idly By, 4:8
- G'day to S&T Down Under, 3:8
- hobby Q&A, 1:140
- It's All in Your Head, 1:8
- Missed Opportunities, 5:8
- news note, 3:18, 5:20
- Ups and Downs, 2:8
- Watts Up with Laser Pointers? 6:8
- Flanders, Tony, book review, 4:104
- briefly noted, 4:106
- Editors Observe, 3:86
- Lunar Eclipse Science, 3:84
- Flippo, Dale, letter, 2:13
- Foust, Jeff, Kagayaki 4.1, 3:95
- Orbitron 3.14, 6:92
- French, Sue, Bear's Bunch, A, 4:80
- Bowled Over in Ursa Major, 5:78
- Cruising Down the River, 1:96
- Embracing Edasich, 6:78
- Flight of the Unicorn, The, 3:80
- Giant's Shield, The, 2:86
- Study in Contrasts, A, 2:32
- Gay, Pamela L., book review, 6:102
- Gendler, Robert, Hybrid Composite Imaging, 5:118
- Goldman, Stuart J., Applet Power, 4:108
- book review, 2:109, 3:105, 3:106, 5:103
- briefly noted, 2:112, 3:108, 4:106, 4:107, 5:102
- Celestial Watch, 2:114
- Decade of Daily Delights, A, 6:106
- Happy Nerd Year, 1:124
- hobby Q&A, 6:118
- Landscapes on Titan: Amateurs Scoop the Pros, 5:104
- So Much to Read, So Little Time, 3:110
- Grant, Kelli B., see Clark, Beth Ellen
- Haggath, Neil M., letter, 4:12
- Heafner, Joe, HNSky 2.3, 5:91
- MacAstronomia 2.0.5, 2:100
- Henbest, Nigel, letter, 4:13
- Highe, Albert, Lightweight Composite Dob, A, 6:114
- Hirshfeld, Alan W., Universe in the Mirror, The, 2:44
- Holm, Mark, Mirror-Cell Design with Plop, 3:119
- Hoskin, Michael A., Astronomy's Matriarch, 5:42
- Jacob, Duane "Jake," letter, 2:12
- Jawad, Ala'a H., letter, 6:12
- Jaworski, Richard, book review, 1:119
- Jewell, Mike, Resurrecting an Old Astrophoto, 3:127
- Johnston, Lisa R., news note, 2:22, 6:17
- Jones, Bob, letter, 4:13
- Jones, Ed, Folded Maksutov-Herschelian, A, 2:127
- J. R., see Roth, Joshua
- Kaler, James B., Through Taurus to the Anticenter, 2:90
- Kany, Jessica, If Telescopes Could Talk, 3:150
- Kaplan, George, letter, 5:12
- Karlson, Dick, letter, 2:12
- Kleinman, Scot J., Scanning the Sky: A Sloan Observer's Tale, 2:38
- Knapp, Gillian R., see Strauss, Michael A.
- Krishnamurthi, Anita, see Miller, M. Coleman
- Krupp, E. C., Bear Watching, 3:48
- book review, 3:106
- Complete Set, 6:46
- Dome Wrecker, 2:52
- Outsourcing the Light, 5:48
- Sky Hybrid, 4:52
- Star Trails, 1:54
- Kurlancheck, Brad, letter, 4:12

- Lehman, Dale E., letter, 3:13
- Leschak, Peter M., Breath of the Northern World, 1:166
- Lovy, David H., Clyde Tombaugh's Rich Legacy, 6:108
- Comet Shoemaker-Levy 9: The Saga Continues, 1:137
- Eclipse Tales, 3:112
- Fellowship Under Southern Skies, 4:118
- Man with Radar Eyes, The, 5:114
- Marathon Man, The, 2:123
- Lichtman, Jeffrey M., Exploring the Radio Sky, 1:127
- Liller, William, letter, 6:12
- Lyons, Robert D., letter, 4:12
- MacRobert, Alan M., April 8th Partial Solar Eclipse, The, 4:73
- April 24th Penumbral Eclipse, The, 4:74
- Comet Machholz on Track for Fine Show, 2:77
- Dynamic Jupiter: An Observing Guide, 5:67
- hobby Q&A, 1:140, 4:124, 5:116
- Moon Occults Fiery Antares, The, 3:67
- news note, 1:26, 2:19, 2:24, 3:26, 4:20, 4:26, 4:28, 5:16, 5:20
- Pallas in the Realm of the Galaxies, 4:74
- 3C 273: Catch the Brightest Quasar, 5:83
- Two Stellar Opposites, 5:72
- see also Bryant, Greg
- MacRobert, Alan M., and Joshua Roth, news note, 1:17
- MacRobert, Alan M., and Roger W. Sinnott, Young-Moon Hunting in 2005, 2:75
- Maor, Eli, letter, 3:12, 5:12
- Marcy, Geoffrey, letter, 1:12
- Mateo, Mario, Galaxy's Evolution, A, 1:32
- Mathews, Jeremy, letter, 2:12
- McDowell, Jonathan, Mission Update, 1:28, 2:28, 3:27, 4:29, 5:22, 6:26
- Mecus, Jean, letter, 1:13
- Metsävaio, J.-P., New Way of Looking at the Moon, A, 1:142
- Miller, M. Coleman, Anita Krishnamurthi, and Christopher S. Reynolds, Supermassive Black Holes: Shaping Their Surroundings, 4:42
- Mosher, Jim, and Tom Pope, letter, 2:12
- Mullaney, James, Double Stars for the New Year, 1:100
- Nacye, Robert, Amateurs Catch Exoplanet Transit, 1:132
- Birth of Magnetars, The, 5:31
- book review, 5:101, 5:102, 5:103
- Fireworks from the Far Side of the Galaxy, 5:28
- Mars's Hale Crater, 6:30
- news note, 1:18, 1:24, 1:26, 2:16, 2:18, 2:26, 3:16, 3:19, 3:20, 3:26, 4:16, 4:18, 4:19, 5:19, 5:22, 6:18, 6:19, 6:26
- Planetary Harmony, 1:44
- Offutt, Joe, letter, 4:12
- O'Meara, Stephen James, Emerald Tiara, The, 2:82
- Lost Jewel of Orion, The, 1:93
- M102: Mystery Solved, 3:78
- Mercury Challenge, The, 6:76
- Secret Corona, The — Part I, 4:78
- Secret Corona, The — Part II, 5:75
- Pearce, Andrew, letter, 5:12
- Pelletier, Mike, Combat Astronomers in Iraq, 2:116
- Peterzen, Carolyn Collins, book review, 5:99
- Pope, Tom, see Mosher, Jim
- Pöpsel, Josef, see Binnevis, Stefan
- Ratledge, David, JupSat Pro, 4:95
- Raymo, Chet, book review, 1:118
- Reade, Gordon, letter, 5:12
- Redfern, Greg, see Warner, Elizabeth M.
- Reynolds, Christopher S., see Miller, M. Coleman
- R. N., see Nacye, Robert
- Robbins, Randy S., What's in a Name? 6:142
- Robinson, Lelf J., 50 & 25 Years Ago, 1:24, 2:22, 3:24,

A searchable index to all issues of *Sky & Telescope* is available on our Web site at SkyandTelescope.com/magazinearchive

■ authors

- Adler, Alan, Simple Altazimuth Tripod Adapter, A, 4:121
- Aguirre, Edwin L., Amateurs Detect Effects on Earth, 5:32
- Comet Machholz's Fine Performance, 6:83
- Community News, 1:129, 2:118, 3:114, 4:114, 5:112, 6:110
- Flaming Runaway Star, A, 4:32
- news note, 3:24
- Allen, Randy, letter, 3:12
- A. M., see MacRobert, Alan M.
- Anderson, Peter, One of Those Nights, 5:142
- Asher, David J., see Bailey, Mark E.
- Bailey, Mark E., David J. Asher, and Apostolos A. Christou, Human Orrery, The: Putting the Solar System in Perspective, 5:107
- Baird-Chleborad, Dawn, Changing Point of View, A, 4:150
- Barbetti, Susan, letter, 4:12
- Barnes, Joshua E., letter, 3:12
- Basri, Gibor, Decade of Brown Dwarfs, A, 5:34
- Beatty, J. Kelly, hobby Q&A, 5:116
- news note, 1:20
- Bell, Jim, In Search of Martian Seas, 3:40
- Binnevis, Stefan, Dietmar Böcker, and Josef Pöpsel, Namibian Nights: The Adventure Continues, 4:110
- Birriel, Jennifer, book review, 2:110
- Böcker, Dietmar, see Binnevis, Stefan
- Bryant, Greg, Comet Lost and Found, 6:69
- Distant Night Sky, The, 2:63
- Exploring Lacaille's Deep Sky, 6:55
- Finding Machholz, 1:86
- First-Class Night, A, 4:63
- hobby Q&A, 3:124
- Modern Star Groups of the South, 5:55
- On First Sighting Dorado, 1:63
- Targeting Comet Tempel 1, 6:67
- Tour of Argo Navis, A, 3:55
- Bryant, Greg, and Alan M. MacRobert, Comet Machholz in the Evening Sky, 1:84
- Calia, Charles Laird, Astronomy of Robert Frost, The, 4:50
- Carroll, Sean, Dark Energy and the Preposterous Universe, 3:32
- Christou, Apostolos A., see Bailey, Mark E.
- Clark, Beth Ellen, and Kelli B. Grant, Japan's Asteroid Archaeologist, 6:34
- Cox, Richard D., letter, 6:12
- Craig, Donald I., Jr., letter, 6:13
- Crinklaw, Greg, Comet Chasing, 4:83
- Dalrymple, Les, Southern Binocular Highlight, 1:61, 2:61, 3:53, 4:61, 5:53, 6:53
- de Cells, John, letter, 5:12
- Deans, Paul, briefly noted, 1:121, 6:103
- di Cicco, Dennis, hobby Q&A, 2:132, 3:124
- Preview of Meade's RCX400, A, 5:86
- Remembering Tech Pan, 1977-2004, 2:150
- Dilworth, Donald C., letter, 1:13
- Dobbins, Thomas A., AVA's Atmospheric Dispersion Corrector, 6:88
- Life of the Great Melbourne Reflector, The, 2:50
- D. S., see Shiga, David
- D. T., see Tytell, David
- Duncan, Robert C., Anomalous X-ray Pulsars: Mystery Solved? 1:34
- Dunham, David W., Asteroid Occultations for March-July 2005, 3:70
- Lunar Occultation Highlights for 2005, 1:77
- Occultations by Asteroids, 2:78

- Dyer, Alan, Denkmeier Optical's Binocular Viewer, 3:88
- Eisenhardt, Peter, letter, 1:12
- Falconer, Thomas H., letter, 4:12
- Fienberg, Richard Tresch, book review, 4:105
- Evolution: We Can't Sit Idly By, 4:8
- G'day to S&T Down Under, 3:8
- hobby Q&A, 1:140
- It's All in Your Head, 1:8
- Missed Opportunities, 5:8
- news note, 3:18, 5:20
- Ups and Downs, 2:8
- Watts Up with Laser Pointers? 6:8
- Flanders, Tony, book review, 4:104
- briefly noted, 4:106
- Editors Observe, 3:86
- Lunar Eclipse Science, 3:84
- Flippo, Dale, letter, 2:13
- Foust, Jeff, Kagayaki 4.1, 3:95
- Orbitron 3.14, 6:92
- French, Sue, Bear's Bunch, A, 4:80
- Bowled Over in Ursa Major, 5:78
- Cruising Down the River, 1:96
- Embracing Edasich, 6:78
- Flight of the Unicorn, The, 3:80
- Giant's Shield, The, 2:86
- Study in Contrasts, A, 2:32
- Gay, Pamela L., book review, 6:102
- Gendler, Robert, Hybrid Composite Imaging, 5:118
- Goldman, Stuart J., Applet Power, 4:108
- book review, 2:109, 3:105, 3:106, 5:103
- briefly noted, 2:112, 3:108, 4:106, 4:107, 5:102
- Celestial Watch, 2:114
- Decade of Daily Delights, A, 6:106
- Happy Nerd Year, 1:124
- hobby Q&A, 6:118
- Landscapes on Titan: Amateurs Scoop the Pros, 5:104
- So Much to Read, So Little Time, 3:110
- Grant, Kelli B., see Clark, Beth Ellen
- Haggath, Neil M., letter, 4:12
- Heafner, Joe, HNSky 2.3, 5:91
- MacAstronomia 2.0.5, 2:100
- Henbest, Nigel, letter, 4:13
- Highe, Albert, Lightweight Composite Dob, A, 6:114
- Hirshfeld, Alan W., Universe in the Mirror, The, 2:44
- Holm, Mark, Mirror-Cell Design with Plop, 3:119
- Hoskin, Michael A., Astronomy's Matriarch, 5:42
- Jacob, Duane "Jake," letter, 2:12
- Jawad, Ala'a H., letter, 6:12
- Jaworski, Richard, book review, 1:119
- Jewell, Mike, Resurrecting an Old Astrophoto, 3:127
- Johnston, Lisa R., news note, 2:22, 6:17
- Jones, Bob, letter, 4:13
- Jones, Ed, Folded Maksutov-Herschelian, A, 2:127
- J. R., see Roth, Joshua
- Kaler, James B., Through Taurus to the Anticenter, 2:90
- Kany, Jessica, If Telescopes Could Talk, 3:150
- Kaplan, George, letter, 5:12
- Karlson, Dick, letter, 2:12
- Kleinman, Scot J., Scanning the Sky: A Sloan Observer's Tale, 2:38
- Knapp, Gillian R., see Strauss, Michael A.
- Krishnamurthi, Anita, see Miller, M. Coleman
- Krupp, E. C., Bear Watching, 3:48
- book review, 3:106
- Complete Set, 6:46
- Dome Wrecker, 2:52
- Outsourcing the Light, 5:48
- Sky Hybrid, 4:52
- Star Trails, 1:54
- Kurlancheck, Brad, letter, 4:12

- Lehman, Dale E., letter, 3:13
- Leschak, Peter M., Breath of the Northern World, 1:166
- Lovy, David H., Clyde Tombaugh's Rich Legacy, 6:108
- Comet Shoemaker-Levy 9: The Saga Continues, 1:137
- Eclipse Tales, 3:112
- Fellowship Under Southern Skies, 4:118
- Man with Radar Eyes, The, 5:114
- Marathon Man, The, 2:123
- Lichtman, Jeffrey M., Exploring the Radio Sky, 1:127
- Liller, William, letter, 6:12
- Lyons, Robert D., letter, 4:12
- MacRobert, Alan M., April 8th Partial Solar Eclipse, The, 4:73
- April 24th Penumbral Eclipse, The, 4:74
- Comet Machholz on Track for Fine Show, 2:77
- Dynamic Jupiter: An Observing Guide, 5:67
- hobby Q&A, 1:140, 4:124, 5:116
- Moon Occults Fiery Antares, The, 3:67
- news note, 1:26, 2:19, 2:24, 3:26, 4:20, 4:26, 4:28, 5:16, 5:20
- Pallas in the Realm of the Galaxies, 4:74
- 3C 273: Catch the Brightest Quasar, 5:83
- Two Stellar Opposites, 5:72
- see also Bryant, Greg
- MacRobert, Alan M., and Joshua Roth, news note, 1:17
- MacRobert, Alan M., and Roger W. Sinnott, Young-Moon Hunting in 2005, 2:75
- Maor, Eli, letter, 3:12, 5:12
- Marcy, Geoffrey, letter, 1:12
- Mateo, Mario, Galaxy's Evolution, A, 1:32
- Mathews, Jeremy, letter, 2:12
- McDowell, Jonathan, Mission Update, 1:28, 2:28, 3:27, 4:29, 5:22, 6:26
- Mecus, Jean, letter, 1:13
- Metsävaio, J.-P., New Way of Looking at the Moon, A, 1:142
- Miller, M. Coleman, Anita Krishnamurthi, and Christopher S. Reynolds, Supermassive Black Holes: Shaping Their Surroundings, 4:42
- Mosher, Jim, and Tom Pope, letter, 2:12
- Mullaney, James, Double Stars for the New Year, 1:100
- Nacye, Robert, Amateurs Catch Exoplanet Transit, 1:132
- Birth of Magnetars, The, 5:31
- book review, 5:101, 5:102, 5:103
- Fireworks from the Far Side of the Galaxy, 5:28
- Mars's Hale Crater, 6:30
- news note, 1:18, 1:24, 1:26, 2:16, 2:18, 2:26, 3:16, 3:19, 3:20, 3:26, 4:16, 4:18, 4:19, 5:19, 5:22, 6:18, 6:19, 6:26
- Planetary Harmony, 1:44
- Offutt, Joe, letter, 4:12
- O'Meara, Stephen James, Emerald Tiara, The, 2:82
- Lost Jewel of Orion, The, 1:93
- M102: Mystery Solved, 3:78
- Mercury Challenge, The, 6:76
- Secret Corona, The — Part I, 4:78
- Secret Corona, The — Part II, 5:75
- Pearce, Andrew, letter, 5:12
- Pelletier, Mike, Combat Astronomers in Iraq, 2:116
- Peterzen, Carolyn Collins, book review, 5:99
- Pope, Tom, see Mosher, Jim
- Pöpsel, Josef, see Binnevis, Stefan
- Ratledge, David, JupSat Pro, 4:95
- Raymo, Chet, book review, 1:118
- Reade, Gordon, letter, 5:12
- Redfern, Greg, see Warner, Elizabeth M.
- Reynolds, Christopher S., see Miller, M. Coleman
- R. N., see Nacye, Robert
- Robbins, Randy S., What's in a Name? 6:142
- Robinson, Lelf J., 50 & 25 Years Ago, 1:24, 2:22, 3:24,

A searchable index to all issues of *Sky & Telescope* is available on our Web site at SkyandTelescope.com/magazinearchive

4:26, 5:20, 6:20

Roth, Joshua, briefly noted, 2:112, 3:108
hobby Q&A, 4:124

news note, 1:21, 2:17, 2:20, 3:19, 3:22, 4:22, 6:22
see also MacRobert, Alan M.

Roth, Joshua, and Covert Schilling, news note, 5:18

Rubin, Vera C., Puzzling Polar-Ring Galaxy, A, 5:26
Rukrigl, Robert, letter, 1:12

R.W.S., see Sinnott, Roger W.

Schaff, Fred, Dueling Morning Stars, 1:64

Eye and I: Easiest Daytime Venus, 3:85

Eye and I: Tighter Than Mizar-Alcor, 6:86

Eye of the Dragon, 6:50

Giant Planets Rule the Night, 2:64

Jupiter and Saturn: After-Dinner Treats, 5:56

Jupiter at Its Annual Best, 4:64

Leo Springs into View, 4:58

Light-Pollution Notes, 1:133, 4:116

Magic of May, The, 5:50

Mercury Pops Up, 3:56

Near Sky, The: Hevelius, Huygens, and Halos, 5:84

Near Sky, The: Nacreous Clouds — Part 2, 2:94

Night When Opposites Attract, A, 3:50

Seven Sisters on High, 1:53

Three Planets Meet, 6:56

Three Starry Guardians, 2:58

Schilling, Gervat, news note, 1:16, 4:28, 6:20

see also Roth, Joshua

Schau, Ole, letter, 3:12

Seronik, Gary, briefly noted, 2:112

hobby Q&A, 2:132, 3:124

90-mm Astronomical Maksutovs, 4:98

Northern Binocular Highlight, 1:60, 2:60, 3:52,

4:60, 5:52, 6:52

Shiga, David, book review, 1:120

news note, 1:22, 2:19, 4:22, 4:24, 4:26, 6:24

Sinnott, Roger W., April Meteors, 4:76

hobby Q&A, 1:140, 2:132, 3:124, 4:124, 5:116, 6:118

January Meteors, 1:88

May Meteors, 5:71

Outer Planets in 2005, 6:72

Perseid at Periastron, 6:74

Variable Stars, 1:88, 2:80, 3:74, 4:76, 5:72, 6:71

see also MacRobert, Alan M.

Sisson, Mark D., letter, 1:12

S.J.G., see Goldman, Stuart J.

Smith, Bill R., letter, 6:13

Smith, Michael D., see Wolff, Michael J.

Steier, Sandy, letter, 5:13

Strauss, Michael A., and Gillian R. Knapp, Sloan

Digital Sky Survey, The, 2:34

Trueblood, Mark, letter, 6:12

Tytell, David, briefly noted, 3:108

hobby Q&A, 4:124

news note, 2:24, 4:19, 4:20, 5:17, 5:16, 6:16, 6:18

Titan: A Whole New World, 4:34

van Gent, Robert H., letter, 5:12

Walker, Sean, Binocular Viewers, 3:98

Coronado's PST: Hydrogen-Alpha Viewing on a

Budget, 2:96

Dance of Light and Shadow, A, 3:30

In Pursuit of the Ultimate Image, 4:126

Specialized Planetary Filters, 6:98

Warner, Elizabeth M., and Greg Redfern, Amateurs and

the Deep Impact Mission, 6:70

Deep Impact: Our First Look Inside a Comet, 6:40

Wolff, Michael J., and Michael D. Smith, Rover

Atmospheric Science: Things Are Looking Up,

3:44

Wood, Charles A., Basins of the Southwestern Limb,

4:70

Bumps on the Moon, 6:63

Color and History on the Aristarchus Plateau,

3:64

Correcting Lunar Close-Ups, 1:145

Ideal Orientale, 1:73

In and Around Imbrium, 2:72

Naked-Eye Moon, The, 5:64

Young, Andy, letter, 5:13

Zollner, Philip, letter, 6:12

We're Celebrating...

An Evolutionary New Partnership



We were chosen for this honor because of our outstanding customer service and exceptional product knowledge. Why would you go anywhere else to begin your adventures in astronomy?

A Revolutionary New Telescope



The Exciting CPC

"Everything you'd expect from Celestron... at a price you wouldn't!"

Featuring GPS. New precision focusing AND the revolutionary SKY ALIGN...it's so simple...you just choose three bright nighttime objects and the CPC is ready to explore the Universe.



Oceanside Photo & Telescope
918 Mission Ave. Oceanside, CA • 1.800.483.6287 • www.optcorp.com



Craig Weatherwax.
Founder of OPT

THIS YEAR,
SEE THE SKY
AGAIN...
IN A WHOLE
NEW WAY!

DENKMEIER

Denkmeier Optical Inc.

Call Toll Free

866.340.4578

denkmeier.com



Denkmeier Binoviewer Eyepieces

Designed especially for our Binoviewer and Power x Switch System, Denkmeier Eyepieces will provide that "porthole" effect that adds a new dimension to your deepsky observations. See razor sharp images of Deepsky, Planets, The Moon, and The Sun. The D21s & D14s feature 20mm Eye Relief, 65 degree AFOV, color correction and are tested as pairs in a Denkmeier Binoviewer before shipping.



Breakthrough 2" Power x Switch Star Diagonal™

Denkmeier's innovation and attention to quality are clearly evident in this ground breaking 2" Star Diagonal. Using your F/10 SCT, view every object at F/6.6, F/10 or F/20 in seconds with any eyepiece. \$389



Exquisitely Designed Binoviewer Systems

Your current one-eyed views of The Universe, Moon, Planets and Sun will be transformed into incredible two-eyed experiences. Prices start at \$695 and allow multi-magnifications using only one pair of eyepieces.

■ departments

Amateur Telescope Making —

- Folded Maksutov-Herschelian, A, 2:127
- Lightweight Composite Dob, A, 6:114
- Mirror-Cell Design with *Plop*, 3:119
- Simple Altazimuth Tripod Adapter, A, 4:121

Astronomy Online —

- Applet Power, 4:108
- Celestial Watch, 2:114
- Decade of Daily Delights, A, 6:106
- Happy Nerd Year, 1:124
- Landscapes on Titan: Amateurs Scoop the Pros, 5:104
- So Much to Read, So Little Time, 3:110

Astrophotography —

- Correcting Lunar Close-Ups, 1:145
- Hybrid Composite Imaging, 5:118
- In Pursuit of the Ultimate Image, 4:126
- New Way of Looking at the Moon, A, 1:142
- Resurrecting an Old Astrophoto, 3:127

Books & Beyond —

- Archives of the Universe, Marcia Bartusiak, 5:99
- Astronomy Textbooks by Cambridge University Press, 1:120
- Briefly Noted, 1:121, 2:112, 3:108, 4:106, 5:102, 6:103
- Child's Introduction to the Night Sky, A, Michael Driscoll, 4:104
- Destination Mars, Alain Dupas, 5:103
- Firefly Encyclopedia of Astronomy, The, Paul Murdin and Margaret Penston, 6:102
- Futures: 50 Years in Space, David A. Hardy and Patrick Moore, 2:109
- Hubble Space Telescope, The, David DeVorkin and Robert W. Smith, 3:105
- Mars: A Warmer, Wetter Planet, Jeffrey S. Kargel, 5:102
- Measuring the Cosmos, David H. Clark and Matthew D. H. Clark, 2:110
- National Geographic Encyclopedia of Space, Linda K. Glover, 3:106
- Observing and Measuring Visual Double Stars, Bob Argyle, 1:119
- Real Mars, The, Michael Hanlon, 5:101
- Seven Sisters of the Pleiades, The, Munya Andrews, 3:106
- Sun Observer's Guide, Pam Spence, 4:105
- Via Lactea: Milky Way in the History and in the Heavens, Francesco Bertola, 1:118

Buyer's Guide —

- 90-mm Astronomical Maksutovs, 4:98
- Binocular Viewers, 3:98
- Specialized Planetary Filters, 6:98
- White-Light Solar Filters, 2:102

Celestial Calendar —

- Amateurs and the Deep Impact Mission, 6:70
- April 8th Partial Solar Eclipse, The, 4:73
- April 24th Penumbral Eclipse, The, 4:74
- April Meteors, 4:76
- Asteroid Occultations for March-July 2005, 3:70
- Comet Lost and Found, 6:69
- Comet Machholz in the Evening Sky, 1:84
- Comet Machholz on Track for Fine Show, 2:77
- Dynamic Jupiter: An Observing Guide, 5:67
- Finding Machholz, 1:86
- January Meteors, 1:88
- Lunar Occultation Highlights for 2005, 1:77
- May Meteors, 5:71
- Moon Occults Fiery Antares, The, 3:67
- Occultations by Asteroids, 2:78
- Outer Planets in 2005, 6:72
- Pallas in the Realm of the Galaxies, 4:74
- Porrima at Periastron, 6:74
- Targeting Comet Tempel 1, 6:67
- Two Stellar Opposites, 5:72
- Variable Stars, 1:88, 2:80, 3:74, 4:76, 5:72, 6:71
- Young-Moon Hunting in 2005, 2:75

Deep-Sky Wonders —

- Bear's Bunch, A, 4:80
- Bowled Over in Ursa Major, 5:78
- Crushing Down the River, 1:96
- Embracing Edasich, 6:78

Flight of the Unicorn, The, 3:80

Giant's Shield, The, 2:86

Exploring the Moon —

- Basins of the Southwestern Limb, 4:70
- Bumps on the Moon, 6:63
- Color and History on the Aristarchus Plateau, 3:64
- Ideal Orientale, 1:73
- In and Around Imbrium, 2:72
- Naked-Eye Moon, The, 5:64

Eye on the Sky —

- Emerald Tiara, The, 2:82
- Lost Jewel of Orion, The, 1:93
- M102: Mystery Solved, 3:78
- Mercury Challenge, The, 6:76
- Secret Corona, The — Part I, 4:78
- Secret Corona, The — Part II, 5:75

Feature —

- Amateurs Detect Effects on Earth, 5:32
- Anomalous X-ray Pulsars: Mystery Solved? 1:34
- Astronomy of Robert Frost, The, 4:50
- Astronomy's Matriarch, 5:42
- Birth of Magnetars, The, 5:31
- Dark Energy and the Preposterous Universe, 3:32
- Decade of Brown Dwarfs, A, 5:34
- Deep Impact: Our First Look Inside a Comet, 6:40
- Fireworks from the Far Side of the Galaxy, 5:28
- In Search of Martian Seas, 3:40
- Japan's Asteroid Archaeologist, 6:34
- Life of the Great Melbourne Reflector, The, 2:50
- Planetary Harmony, 1:44
- Scanning the Sky: A Sloan Observer's Tale, 2:38
- Sloan Digital Sky Survey, The, 2:34
- Supermassive Black Holes: Shaping Their Surroundings, 4:42
- Things Are Looking Up, 3:44
- Titan: A Whole New World, 4:34
- Universe in the Mirror, The, 2:44

50 & 25 Years Ago, 1:24, 2:22, 3:24, 4:26, 5:20, 6:20

Focal Point —

- Breath of the Northern World, 1:166
- Changing Point of View, A, 4:150
- If Telescopes Could Talk, 3:150
- One of Those Nights, 5:142
- Remembering Tech Pan, 1977-2004, 2:150
- What's in a Name? 6:142

Gallery, 1:148, 2:134, 3:132, 4:132, 5:126, 6:120

Hobby Q&A, 1:140, 2:132, 3:124, 4:124, 5:116, 6:118

Letters, 1:12, 2:12, 3:12, 4:12, 5:12, 6:12

Mission Update, 1:28, 2:28, 3:27, 4:29, 5:22, 6:26

New Product Showcase, 1:106, 2:104, 3:102, 4:102,

5:96, 6:96

News Notes —

- Active Volcanoes on Mars? 4:18
- Amateur Discovers Variable Star in Cepheus, 3:24
- Asteroid 2004 MN4: A Really Near Miss, 5:16
- Asteroids Tell Tale of Jupiter's Migration, 1:24
- Astro News Brief: Giant Planet, Tiny Star, 6:24
- Lopsided Giants? 6:24
- M33's Motion Measured, 6:24
- Magellanic Magnetism, 6:24
- Meteor Crater Mystery, 6:24
- Solar-System Supernova? 6:24
- Upper Mass Limit for Stars? 6:24
- Big Bang Material Brewed? 6:26
- Black-Hole Swarm, A, 4:28
- Bonanza of Exoplanet Discoveries, A, 5:19
- Catching a Breeze, 5:18
- Controversial Equatorial Martian "Sea," A, 6:18
- Dark-Matter Discrepancy, 3:26
- Debris Disks on Display, 3:22
- Disk Demolition Derby, 4:24
- Dwindling Kuiper Belt, The, 2:26
- Enceladus's Invisible Atmosphere, 6:16
- Exoplanet Image Confirmed? 4:22
- Exoplanets: The Heat Is On, 6:19
- Flood of Cassini Discoveries, A, 3:16
- Follow That Story: Another Resonant Exoplanetary System, 3:26
- Frame Dragging Found Early? 1:26
- Magnetar Missing-Link Puzzle, A, 3:26
- Pulsar Planet in M4, The, 1:26

- Supernovae Are Not Round, Continued, 5:22
 - Galaxy Maps Reveal Long-Sought Waves, 5:18
 - Glimpsing Starbirth with Spitzer, 6:22
 - Hubble Gets a Shot in the Arm, 3:18
 - Hubble Takes a Hit, 5:20
 - Iapetus Encountered, 4:16
 - Kernel of a Star Stripped Bare, The, 2:24
 - Laser "Guide Stars" on the Rise, 2:17
 - Magellan's Monster Mirror, 3:19
 - Martian Methane = Martian Life? 3:20
 - Martian Mudcake? 1:26
 - Naked-Eye Globular You've Never Seen, The, 1:21
 - New Chapter in the Life of Planets? A, 3:22
 - Newfound Star Sparks Debate, 4:22
 - Nightmare Before Christmas, The, 4:20
 - No Redshift-10 Galaxy, 2:19
 - Opportunity Gets into Heavy Metal, 4:19
 - Planet for Beta Pic, A, 1:16
 - Pressing Toward the Cosmic Dawn, 2:18
 - Procyon Pulsations Found? 6:24
 - Procyon's Vibrations Go Missing, 1:22
 - Pulsar Jackpot, 6:20
 - Rock's Life, A, 2:24
 - Saturn Lights, 6:17
 - Say "Cheese!" 5:17
 - Spitzer's Trifid, 4:26
 - Star Flung Out of the Milky Way, A, 5:20
 - Still No Planets in 47 Tucanae, 4:26
 - Supernova in a Spiral Arm, 4:20
 - Terrestrial Planets Galore, 1:17
 - Thick Disks Discerned Beyond Milky Way, 6:22
 - Titan: "A World Apart," 1:20
 - Too-Early Black Hole, A, 2:19
 - Two Starbirth Eras for an Old Dwarf, 2:20
 - Tycho's Supernova: The Culprit Found? 2:22
 - Uranus: Kicking Up a Storm, 2:16
 - Very Biggest Stars, The, 4:28
 - When the Very Biggest Things Collide, 1:18
 - White Dwarf Planets? 6:18
 - Whole Lotta Shakin' Goin' On, 4:19
 - Yerkes on the Block, 3:19
- Northern Hemisphere's Sky** —
- Eye of the Dragon, 6:50
 - Leo Springs into View, 4:58
 - Magic of May, The, 5:50
 - Night When Opposites Attract, A, 3:50
 - Northern Binocular Highlight: Auriga's Messier Clusters, 2:60
 - Kemble's Cascade, 1:60
 - M50 in a Stream of Starlight, 3:52
 - M101 in the Mind's Eye, 6:52
 - Steady on Galaxy M94, 5:52
 - Two Doubles in Cancer, 4:60
 - Northern Hemisphere's Sky Chart, 1:59, 2:59, 3:51, 4:59, 5:51, 6:51
 - Seven Sisters on High, 1:58
 - Three Starry Guardians, 2:58

Observer's Log —

- Comet Machholz's Fine Performance, 6:83
- Editors Observe, 3:86
- Eye and I: Easiest Daytime Venus, 3:85
- Eye and I: Tighter Than Mizar-Alcor, 6:86
- Lunar Eclipse Science, 3:84

Rambling Through the Skies —

- Bear Watching, 3:48
- Complete Set, 6:46
- Dome Wrecker, 2:52
- Outsourcing the Light, 5:48
- Sky Hybrid, 4:54
- Star Tails, 1:52

S&T Test Report —

- AVA's Atmospheric Dispersion Corrector, 6:88
- Coronado's PST: Hydrogen-Alpha Viewing on a Budget, 2:96
- Denkmeier Optical's Binocular Viewer, 3:88
- HNSky 2.3, 5:91
- JupSat Pro, 4:95
- Kagayaki 4.1, 3:95
- MacAstronomica 2.0.5, 2:100
- Orbitron 3.14, 6:92
- Orion SkyView Pro 3.6CA EQ, 4:88

Preview of Meade's RCX400, A, 5:86

Southern Hemisphere's Sky —
 Distant Night Sky, The, 2:63
 Exploring Lacaille's Deep Sky, 6:55
 First-Class Night, A, 4:63
 Modern Star Groups of the South, 5:55
 On First Sighting Dorado, 1:63
 Southern Binocular Highlight: A Jewel Among
 Jewels, 5:53
 An Overlooked Gem, 4:61
 Colorful Cluster NGC 2451, 2:61
 False Cross Cluster, NGC 2516, 3:53
 King of the Globulars, 6:53
 Really Red R Doradus, 1:61
 Southern Hemisphere's Sky Chart, 1:61, 2:61,
 3:53, 4:61, 5:53, 6:53
 Tour of Argo Navis, A, 3:55

Spectrum —
 Evolution: We Can't Sit Idly By, 4:8
 G'day to S&T Down Under, 3:8
 It's All in Your Head, 1:8
 Missed Opportunities, 5:8
 Ups and Downs, 2:8
 Watts Up with Laser Pointers? 6:8

Spotlight On... —
 Dance of Light and Shadow, A, 3:30
 Flaming Runaway Star, A, 4:32
 Galaxy's Evolution, A, 1:32
 Mars's Hale Crater, 6:30
 Puzzling Polar-Ring Galaxy, A, 5:26
 Study in Contrasts, A, 2:32

Star Trails —
 Clyde Tombaugh's Rich Legacy, 6:108
 Comet Shoemaker-Levy 9: The Saga Continues,
 1:137
 Eclipse Tales, 3:112
 Fellowship Under Southern Skies, 4:118
 Man with Radar Eyes, The, 5:114
 Marathon Man, The, 2:123

Sun, Moon, and Planets —
 Dueling Morning Stars, 1:64
 Giant Planets Rule the Night, 2:64
 Jupiter and Saturn: After-Dinner Treats, 5:56
 Jupiter at Its Annual Best, 4:64
 Mercury Pops Up, 3:56
 Three Planets Meet, 6:56

Targets —
 Comet Chasing, 4:83
 Double Stars for the New Year, 1:100
 Near Sky, The: Hevelius, Huygens, and Halos, 5:84
 Near Sky, The: Nacreous Clouds — Part 2, 2:94
 3C 273: Catch the Brightest Quasar, 5:83
 Through Taurus to the Anticenter, 2:90

The Astronomy Scene —
 Amateurs Catch Exoplanet Transit, 1:132
 Combat Astronomers in Iraq, 2:116
 Community News: AAVSO's New Director
 Named, 5:112
 Alfred L. Woods (1911-2004), 3:114
 Amateur Observatory Opens in Chile, 4:115
 Asteroids Named after S&T Contributors, 1:129
 Biosphere 2 on the Block, 5:113
 Charles R. Hammond (1915-2004), 6:110
 Damage from Japan Earthquakes Reported, 2:118
 David Lunt (1942-2005), 5:112
 Demise of Kodak's Slide Projector, The, 3:114
 Mount Stromlo Observatory Reopens, 2:118
 New Planetarium Opens in China, 5:113
 New Zealand's Stonehenge Exhibit Opens, 6:110
 Orion Telescopes Sold to Imaginova, 5:112
 Pierre Cugnon (1940-2004), 3:114
 S&T Contributor Wins Award, 1:129
 SOHO Comet No. 900 Discovered, 5:112
 Sun Book for the Visually Impaired, A, 4:114
 Tombaugh Telescope Dedicated, 6:110
 Exploring the Radio Sky, 1:127
 Human Orrery, The: Putting the Solar System in
 Perspective, 5:107
 Light-Pollution Notes, 1:133, 4:116
 Namibian Nights: The Adventure Continues,
 4:110 *

Where to start?

SkyTools 2

Software for the Observer

skyhound.com

Sky Gift Certificate:

PERFECT for Father's Day and
 Graduation gifts! Sky Gift
 Certificates are good
 toward the purchase of any of
 our high-quality astronomy
 books and products as well as
 subscriptions!

SKY
 & TELESCOPE

800-253-0245

SkyandTelescope.com/giftcertificate

Order one today online!

Rivers CAMERA SHOP



AUTHORIZED
MEADE
 ELITE DEALER

Most Meade Products
 In Stock & On Display!

THE NEW DEEP SKY IMAGER

is the latest innovation from Meade Instruments and
 represents a revolutionary breakthrough in CCD astro-
 imaging. The Deep Sky Imager is a high-performance,
 easy-to-use color CCD camera that allows every
 astronomer to shoot and process stunning deep sky
 photographs of galaxies, nebulae, star clusters and
 planets their first night out.



TeleVue®
 Factory Authorized
 DEALER

AUTHORIZED®
CELESTRON
 DEALER

Nexstar Telescopes
 in stock

Why Buy From Us?

- Largest Binocular Display in the East
- NE's Largest Telescope Display
- Mail-Order or In-Store No Sales Tax!
- Used Scopes — Buy, Sell or Trade-In
- Knowledgeable, Personalized Service

Kendrick
 JMI Accessories
 Scopetronic Accessories
 Telrad
 Losmandy
 Vixen Products
 Coronado

Rivers CAMERA SHOP

Toll-Free (800) 245-7963
 www.riverscamera.com

454 Central Ave., Dover, NH 03820 Fax: (603) 742-5456

Hours:
 M-W 8:30-6
 Th. 8:30-7
 Fri. 8:30-6
 Sat. 9:30-5